10/080,630 (Initial)

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Defi nitio n	Error s	Ref #
1	BRS	1	"080630".apn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 09:44				S1
2	BRS	5	((multiple plural$3) adj3 (spatial adj1 filter$3)) with (limit$3 bound$3 constrain$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 11:08				S2
3	BRS	52	(spatial adj1 filter$3) with (((upper lower) adj1 (limit bound$3)) constrain$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 09:53				S3
4	BRS	182	((multiple plural$3) adj3 (spatial adj1 filter$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 10:13				S4
5	BRS	3	S3 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 09:51				S5
6	BRS	37	S3 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 10:16				S6
7	BRS	134	S4 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 15:56				S7
8	BRS	589	((multiple plural$3 two three four five) adj3 (spatial adj1 filter$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 10:14				S8
9	BRS	449	S8 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 10:21				S9
10	BRS	44	S3 and @ad<"20020221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 10:24				S10
11	BRS	2833	(noise with interpolat$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 10:21				S11

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Com Defi nitio n	Error Defi s	Error	Ref #
12	BRS	892	((noise near3 (remov$3 reduc$4 improv$3 minimiz$5)) with interpolat$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 10:23				.	S12
13	BRS	19	((noise near3 (remov$3 reduc$4 improv$3 minimiz$5)) with (spatial$2 near3 interpolat$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 10:23					S13
14	BRS	16	S13 and @ad<"20020221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 11:15					S14
15	BRS	6	((multiple plural$3) adj3 (spatial adj1 filter$3)) with (threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 14:10					S15
16	BRS	176	(spatial adj1 filter$3) with (threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 11:13					S16
17	BRS	43	(spatial adj1 filter$3) with (threshold) with (replac$5 substitut$3 us$3 chang$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 12:02				.	S17
18	BRS	35	S17 and @ad<"20020221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 12:06					S18
19	BRS	42	(noise adj1 filter$3) with (threshold) with (replac$5 substitut$3 us$3 chang$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 12:10					S19
20	BRS	34	S19 and @ad<"20020221"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 12:06					S20
21	BRS	2	(noise adj1 filter$3) with (pre$1determin$3 near3 (threshold ((upper lower) adj1 (bound limit)))) with (replac$5 substitut$3 chang$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 12:16					S21
22	BRS	7	(noise adj1 filter$3) same (pre$1determin$3 near3 (threshold ((upper lower) adj1 (bound limit)))) same (replac$5 substitut$3 chang$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 13:39					S22

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Definition	Errors	Error Ref #
23	BRS	6944	(high$1pass adj1 filter$3) same (low$1pass adj1 filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 14:26				S23
24	BRS	5377	(high$1pass adj1 filter$3) with (low$1pass adj1 filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 14:26				S24
25	BRS	52	(spatial adj1 filter$3) with (((upper lower) adj1 (limit bound$3)) constrain$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 15:33				S25
26	BRS	5068	image same ((scal$3 magnid7 reduc$4 enlarg$5 re$1siz$3 down$1sampl$3 up$1sampl$3) with interpolat$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 15:59				S26
27	BRS	1	image same ((scal$3 magnid7 reduc$4 enlarg$5 re$1siz$3 down$1sampl$3 up$1sampl$3) with ((spatial adj1 interpolat$3) with (weighted adj1 (sum average))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 16:03				S27
28	BRS	16	image same ((scal$3 magnid7 reduc$4 enlarg$5 re$1siz$3 down$1sampl$3 up$1sampl$3) with (interpolat$3 with (weighted adj1 (sum average))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 09:40				S28
29	BRS	12	S28 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/07 16:04				S29
30	BRS	12693	image same ((scal$3 magnid7 reduc$4 enlarg$5 re$1siz$3 down$1sampl$3 up$1sampl$3) with (rotat$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 09:41				S30
31	BRS	180	image same ((scal$3 magnid7 reduc$4 enlarg$5 re$1siz$3 down$1sampl$3 up$1sampl$3) with rotat$3 with ((inver$2 reverse$2) near3 rotat$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 09:42				S31
32	BRS	130	S31 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 10:24				S32
33	BRS	151	(filter$3 convolv$5 smooth$3 interpolat$3) with ((large$2 wide$1 big$3 high$2) adj1 (window radius kernel)) with ((small$2 short$2 low$2) adj1 (window radius kernel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 12:16				S33

Type	Hits	Search Text	DBs	Time Stamp	Comments	Definition	Errors	Error Ref #
34	BRS	124	S33 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 11:33				S34
35	BRS	27016	(filter$3 smooth$3) with (threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 11:32				S35
36	BRS	9172	(filter$3 smooth$3) near3 (threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 11:32				S36
37	BRS	904	(smooth$3) near3 (threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 11:32				S37
38	BRS	273	(threshold adj2 smooth$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 11:33				S38
39	BRS	34	image with (threshold adj2 smooth$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 11:58				S39
40	BRS	26	S39 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 14:41				S40
41	BRS	18	image with (threshold near3 (noise near2 filter$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 12:07				S41
42	BRS	13	S41 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 12:17				S42
43	BRS	109	(threshold with (depend$3 var$4 proportional) with ((filter$3 smooth$5 window) near3 (size diameter radius length)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 12:10				S43
44	BRS	3	(threshold with (inverse$2 near2 (depend$3 var$4 proportional)) with ((filter$3 smooth$5 window) near3 (size diameter radius length)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 12:11				S44

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Com nitio n	Defi	Error Errors	Error Ref #
45	BRS	27	((large$2 wide$1 big$3 high$2) adj1 (window radius kernel)) with ((small$2 short$2 low$2) adj1 (threshold bound limit))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 12:18					S45
46	BRS	17	S45 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 12:17					S46
47	BRS	8	((large$2 wide$1 big$3 high$2) adj1 (filter$3 smooth$5 convol$5)) with ((small$2 short$2 low$2) adj1 (threshold bound limit))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 12:19					S47
48	BRS	413	(high$1pass with (intensity luminance brightness)) same (low$1pass with (components intensity luminance brightness chrom$6 color))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 15:53					S48
49	BRS	39	(high$1pass near3 (intensity luminance brightness)) with (low$1pass near3 (components intensity luminance brightness chrom$6 color))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 14:45					S49
50	BRS	37	S49 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 15:54					S50
51	IS&R	2	("4725881").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 15:07					S51
52	BRS	63	(high$1pass with ((intensity luminance brightness) adj1 component))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 15:54					S52
53	BRS	58	S52 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/10 16:09					S53
54	IS&R	2	("4638364").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 07:18					S54
55	BRS	13	((edge line feature) adj1 detect$3) with (intensity gray grey luminance brightness) with ((high$1pass adj1 filter$3) hpf)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 07:21					S55

Type	Hits	Search Text	DBs	Time Stamp	Comments	Definition	Errors	Error Ref #
56	BRS	6	S55 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 10:51				S56
57	BRS	4	((replac$5 substitut$3) near3 (pixel value)) with (weight$3 adj1 (averag$3 mean sum)) with (((difference differencial) near3 (pixel value neighbor)) ((difference differencial) near3 (less smaller "no greater" "no larger" "not greater") near3 (threshold bound limit)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 11:09				S57
58	BRS	9	((replac$5 substitut$3) near3 (pixel value)) with (weight$3 adj1 (averag$3 mean sum)) same (((closet nearest) near3 (pixel value neighbor)) ((difference differencial) near3 (less smaller "no greater" "no larger" "not greater") near3 (threshold bound limit)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 11:15				S58
59	BRS	994	(smooth$3 (noise near3 (remov$3 reduc$5)) ((replac$5 substitut$3) near3 (pixel value))) with (weight$3 adj1 (averag$3 mean sum))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 11:18				S59
60	BRS	53	(smooth$3 (noise near3 (remov$3 reduc$5)) ((replac$5 substitut$3) near3 (pixel value))) with ((select$3 (pixel value)) near3 (window neighborhood region interval))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 11:46				S60
61	BRS	34	S60 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 12:01				S61
62	IS&R	2	("5594816").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 11:35				S63
63	BRS	0	(smooth$3 (noise near3 (remov$3 reduc$5)) ((replac$5 substitut$3) near3 (pixel value))) with (weight$3 adj1 (averag$3 mean sum)) with (select$3 adj1 (peripheral neighbor$3) adj1 (pixel point value))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 11:58				S64
64	BRS	12	(weight$3 adj1 (averag$3 mean sum)) with (((peripheral neighbor$3) adj1 (pixel point)) near4 (differenc$3 similar$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 12:00				S65
65	BRS	9	S65 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/11 12:01				S66

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Definition	Errors	Error	Ref #
66	BRS	133	((select$3 choos$3 chosen) with ((peripheral neighbor$3 adjacent near$1by close surrounding) near3 (pixel point)) with (difference differential) with (threshold limit bound))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 09:51					S67
67	BRS	3	S67 same (substitut$3 replac$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 11:35					S68
68	BRS	5	(select$3 choos$3 chosen) with ((peripheral neighbor$3 adjacent near$1by close surrounding) near3 (pixel point)) with (((difference differential) near3 ((less "no greater" smaller "not greater") adj3 (threshold limit bound))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 09:48					S69
69	BRS	97	S67 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 10:09					S70
70	BRS	916	(AVERAG$3 INTERPOLAT$3 MEAN) with ((remov$3 delet$3 exclud$3 ("not" adj1 includ$3)) near3 (min$4 max$4 extrem$2 outlier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 10:17					S71
71	BRS	45	(weight$3 adj1 (averag$3 mean sum$4 add$5)) with ((remov$3 delet$3 exclud$3 ("not" adj1 includ$3)) near3 (min$4 max$4 extrem$2 outlier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 10:08					S72
72	BRS	36	S72 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 10:17					S73
73	BRS	33	(noise smooth$3) with ((AVERAG$3 INTERPOLAT$3 MEAN) with ((remov$3 delet$3 exclud$3 ("not" adj1 includ$3)) near3 (min$4 max$4 extrem$2 outlier)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 10:17					S74
74	BRS	17	S74 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 13:22					S75
75	IS&R	2	("5196935").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 11:35					S76
76	BRS	2	interpolation with coefficient with ((look$1up LUT) near3 (updat$3 modif$7 revis$3 chang$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 13:21					S77

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Com Defi nitio n	Error Error s	Error Ref #
77	BRS	43	(interpolation adj1 coefficient) near3 (look$1up LUT)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 13:22				S78
78	BRS	31	S78 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 13:52				S79
79	BRS	1629	interpolat$3 with (intensity luminance ((gray grey) adj1 level)) with (colo$1r chromin$4 R$1G$1B$1 CR CB)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 13:51				S80
80	BRS	11	((different multiple many "more than one" "greater than one") adj1 interpolat$3) with (intensity luminance ((gray grey) adj1 level)) with (colo$1r chromin$4 R$1G$1B$1 CR CB)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 13:51				S81
81	BRS	10	S81 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/12 13:52				S82
82	BRS	5	(low$1pass LPF) with (high$1pass HPF) with (color adj1 conver$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 14:11				S83
83	BRS	25	(low$1pass LPF) with (color adj1 conver$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 12:28				S84
84	BRS	17	S84 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 12:29				S85
85	BRS	248	(low$1pass LPF) with (colo$1r near3 (transform$5 conver$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 12:30				S86
86	BRS	230	(low$1pass LPF) with (colo$1r near3 conver$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 12:30				S89
87	BRS	211	S89 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 14:13				S90

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Definition	Errors	Error Ref #
88	BRS	33	(low$1pass LPF filter$3) with ((color adj1 conver$4) near3 R$1G$1B$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 14:18				S91
89	BRS	18	S91 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 14:24				S92
90	BRS	0	(low$1pass LPF filter$3) with ((color near2 conver$4) near3 (("to" "into") adj1 (R$1G$1B$1 red green blue)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 14:22				S93
91	BRS	167	(low$1pass LPF) near3 (R$1G$1B$1 red green blue)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 14:24				S94
92	BRS	38	(low$1pass LPF) near3 (R$1G$1B$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 14:24				S95
93	BRS	24	S95 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 16:43				S96
94	BRS	158	((decrease decrement) near3 threshold) with (smooth$3 average$3 (noise near3 (remov$3 reduc$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:07				S97
95	BRS	1227	((decrease decrement lower) near3 threshold) with (smooth$3 averag$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 16:56				S98
96	BRS	16	((decrease decrement) near3 threshold) with (smooth$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 16:46				S99
97	BRS	14	S99 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 16:50				S100
98	BRS	111	S97 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:00				S101

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Definition	Errors	Ref #
99	BRS	1160	((decrease decrement lower) near3 threshold) with (smooth$3 filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 16:57				S102
100	BRS	222	((decreas$3 decrement$3 lower$3 reduc$3 adjust$3) with (smooth$3 LPF low$1pass)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 16:59				S103
101	BRS	141	((decreas$3 decrement$3 lower$3 reduc$3 adjust$3) adj1 threshold) with (smooth$3 LPF low$1pass)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:00				S104
102	BRS	129	((decreas$3 decrement$3 lower$3 reduc$3) adj1 threshold) with (smooth$3 LPF low$1pass)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:01				S105
103	BRS	98	S105 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:01				S106
104	BRS	19	((decreas$3 decrement$3 reduc$3) adj1 threshold) with (smooth$3 LPF low$1pass)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:04				S107
105	BRS	15	S107 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:08				S108
106	BRS	0	((decreas$3 decrement$3 reduc$3) adj1 threshold) same (image adj1 filter$3 smooth$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:05				S109
107	BRS	201	((decreas$3 decrement$3 lower$3) near3 threshold) with (noise near3 remov$3 reduc$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 09:49				S110
108	BRS	224	((decreas$3 decrement$3 lower$3) near3 threshold) with (noise near3 remov$3 reduc$4 filter$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:08				S111
109	BRS	22	((decreas$3 decrement$3) near3 threshold) with (noise near3 (remov$3 reduc$4 filter$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:08				S112

Type	Hits	Search Text	DBs	Time Stamp	Comments	Defi nitio n	Error s	Error Ref #
110 BRS	20	S112 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/13 17:09				S113
111 BRS	3029	((decreas$3 decrement$3 lower$3 "lower than" "less than" "smaller than") near3 (pre$1determined adj1 threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 09:51				S114
112 BRS	2556	((decreas$3 decrement$3 lower$3 "lower than" "less than" "smaller than") adj3 (pre$1determined adj1 threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 09:51				S115
113 BRS	2556	((decreas$3 decrement$3 lower$3) adj3 (pre$1determined adj1 threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 09:52				S116
114 BRS	1865	((decreas$3 decrement$3 lower$3) adj1 (pre$1determined adj1 threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 09:52				S117
115 BRS	52	((decreas$3 decrement$3 lower$3) adj1 (pre$1determined adj1 threshold)) with (smooth$5 filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 10:05				S118
116 BRS	33	S118 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 10:06				S119
117 BRS	125	((decreas$3 decrement$3) adj1 (pre$1determined adj1 threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 10:05				S120
118 BRS	96	S120 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 11:58				S121
119 BRS	0	((minim$2 adj1 (difference differential)) near3 (add$3 plus$3 increas$3 augment$3 increment$3) near3 (constant fixed pre$1determined known)) with ((new updat$3 second another current next) adj1 threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 10:26				S122
120 BRS	1	((minim$2) near3 (add$3 plus$3 increas$3 augment$3 increment$3) near3 (constant fixed pre$1determined known)) with ((new updat$3 second another current next) adj1 threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 10:29				S123

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Defi nitio n	Errors	Error	Ref #
121	BRS	17	((minim$2) near3 (add$3 plus$3 increas$3 augment$3 increment$3) near3 (constant fixed pre$1determined known)) with ((determin$5 calculat$3 comput$5 select$3 choos$3 adjust$3) near3 threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 10:30					S124
122	BRS	14	S124 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:29					S125
123	BRS	1314	(scal$3 enlarg$3 magnif$7 up$1samp$3) with (filter$3 LPF HPF BPF smooth$5 (noise adj1 (remov$3 reduc$4)) sharp$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:02					S126
124	BRS	314	image with (scal$3 enlarg$3 magnif$7 up$1samp$3) with (rotat$3) with (filter$3 LPF HPF BPF smooth$5 (noise adj1 (remov$3 reduc$4)) sharp$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:23					S127
125	BRS	1	image with (scal$3 enlarg$3 magnif$7 up$1samp$3) with (rotat$3) with (filter$3 LPF HPF BPF smooth$5 (noise adj1 (remov$3 reduc$4)) sharp$5) with ((reverse$2 inverse$2 counter opposite) near3 (angle rotat$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:26					S128
126	BRS	2	(filter$3 LPF HPF BPF smooth$5 (noise adj1 (remov$3 reduc$4)) sharp$5)) same ((reverse$2 inverse$2 counter opposite) near3 (angle rotat$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:22					S129
127	BRS	311	image with (scal$3 enlarg$3 magnif$7 up$1samp$3) with (rotat$3) with (filter$3 smooth$5 (noise adj1 (remov$3 reduc$4)) sharp$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:28					S130
128	BRS	1	(image with (scal$3 enlarg$3 magnif$7 up$1samp$3)) same ((rotat$3) with (filter$3 LPF HPF BPF smooth$5 (noise adj1 (remov$3 reduc$4)) sharp$5) with ((reverse$2 inverse$2 counter opposite) near3 (angle rotat$5)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:31					S131
129	BRS	53	image with (enlarg$3 magnif$7) with (rotat$3) with (filter$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:28					S132
130	BRS	33	S132 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:37					S133

Type	Hits	Search Text	DBs	Time Stamp	Comments	Definition	Errors	Error Ref #
131 BRS	146	(image with (rotat$3) with ((reverse$2 inverse$2 counter opposite) near3 (angle totat$5)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:30				S134
132 BRS	2	(image with (rotat$3) with (filter$3 LPF HPF BPF smooth$5 (noise adj1 (remov$3 reduc$4)) sharp$5) with ((reverse$2 inverse$2 counter opposite) near3 (angle totat$5))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:33				S135
133 BRS	9	("5655535" | "5782766" | "6117081" | "6126598" | "6126599" | "6135956" | "6210328" | "6224552" | "6436044").PN.	US-PGPUB; USPAT; USOCR	2005/01/14 12:36				S136
134 BRS	3	S136 and rotat$3	US-PGPUB; USPAT; USOCR	2005/01/14 12:36				S137
135 BRS	112	S134 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:50				S138
136 BRS	127	(sharpen$3) with ("before" "prior" "after") with (filter$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:51				S139
137 BRS	83	S139 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:52				S140
138 BRS	90	(sharpen$3) with ("before" "prior" "after") with (enlarg$3 magnif$7 up$1sampl$3 scal$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 12:51				S141
139 BRS	67	S141 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:15				S142
140 BRS	338	(rotat$3 with (spatial adj1 filter$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:15				S143
141 BRS	117	(rotat$3 adj4 (spatial adj1 filter$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:23				S144
142 BRS	52	S144 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:24				S145

Type	Hits	Search Text	DBs	Time Stamp	Comments	Defi nitio n	Error Defi	Error s	Error Ref #
143 BRS	4468	(rotat$3 adj4 (Gaussian Laplacian smooth averag))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:24					S146
144 BRS	47	(rotat$3 adj4 (Gaussian))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:25					S147
145 BRS	31	S147 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:25					S148
146 BRS	11385	(rotat$3 adj4 (smooth$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:25					S149
147 BRS	128	image with (rotat$3 adj4 (smooth$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:25					S150
148 BRS	97	S150 and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/14 15:25					S151
149 BRS	5736	382/254,260-264,270-275,296,298-300.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/18 12:09					S152
150 BRS	3019	345/611;348/580-583,606-607;358/451,463,525.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/18 12:10					S153
151 BRS	6511	(S152 S153) and @ad<"20010227"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/01/18 12:10					S154

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1 **Microphone-array hearing aids with binaural output .I. Fixed-processing systems**
Desloge, J.G.; Rabinowitz, W.M.; Zurek, P.M.;
Speech and Audio Processing, IEEE Transactions on , Volume: 5 , Issue: 6 , Nov. 1997
Pages:529 - 542

[Abstract]   [PDF Full-Text (364 KB)]   **IEEE JNL**

2 **Numerical procedure for the lateral-mode analysis of broad-area semiconductor lasers with an external cavity**
Champagne, Y.; Mailhot, S.; McCarthy, N.;
Quantum Electronics, IEEE Journal of , Volume: 31 , Issue: 5 , May 1995
Pages:795 - 810

[Abstract]   [PDF Full-Text (1516 KB)]   **IEEE JNL**

---

3 **Effect of spatial filtering on the spontaneous emission spectrum of a sub-threshold VCSEL**

van Exter, M.P.; Jansen Van Doorn, A.K.; Woerdman, J.P.;
Selected Topics in Quantum Electronics, IEEE Journal of , Volume: 1 , Issue: 2 , June 1995
Pages:601 - 605

[Abstract]   [PDF Full-Text (440 KB)]   **IEEE JNL**

---

4 **Chaotic dynamics of mode competition in a vertical-cavity surface emitting laser diode under DC excitation**

Richie, D.A.; Zhang, T.; Choquette, K.D.; Leibenguth, R.E.; Zachman, J.C.; Tabatabaie, N.;
Quantum Electronics, IEEE Journal of , Volume: 30 , Issue: 11 , Nov. 1994
Pages:2500 - 2506

[Abstract]   [PDF Full-Text (628 KB)]   **IEEE JNL**

---

5 **Modal discrimination in leaky-mode (antiguided) arrays [diode lasers]**

Hadley, G.R.; Botez, D.; Mawst, L.I.;
Quantum Electronics, IEEE Journal of , Volume: 27 , Issue: 4 , April 1991
Pages:921 - 930

[Abstract]   [PDF Full-Text (872 KB)]   **IEEE JNL**

---

6 **Nonlinear operators for improving texture segmentation based on features extracted by spatial filtering**

Unser, M.; Eden, M.;
Systems, Man and Cybernetics, IEEE Transactions on , Volume: 20 , Issue: 4 , July-Aug. 1990
Pages:804 - 815

[Abstract]   [PDF Full-Text (1104 KB)]   **IEEE JNL**

---

7 **Improved method for gain/index measurements of semiconductor lasers**

Bossert, D.J.; Gallant, D.;
Electronics Letters , Volume: 32 , Issue: 4 , 15 Feb. 1996
Pages:338 - 339

[Abstract]   [PDF Full-Text (248 KB)]   IEE JNL

8 **Phase-locked array of antiguided lasers with monolithic spatial filter**

Mawst, L.J.; Botez, D.; Roth, T.J.; Simmons, W.W.; Peterson, G.; Jansen, M.; Wilcox, J.Z.; Yang, J.J.;

Electronics Letters , Volume: 25 , Issue: 5 , 2 March 1989

Pages:365 - 366

[Abstract]   [PDF Full-Text (216 KB)]   IEE JNL

9 **Adaptive image transmission with a pattern forming system**

Schwab, M.; Denz, C.;

Quantum Electronics Conference, 2000. Conference Digest. 2000 International , 10-15 Sept. 2000

Pages:1 pp.

[Abstract]   [PDF Full-Text (96 KB)]   IEEE CNF

10 **Wavelet based denoising techniques for ultrasound images**

Duskunovic, I.; Pizurica, A.; Stippel, G.; Philips, W.; Lemahieu, I.;

Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd Annual International Conference of the IEEE , Volume: 4 , 23-28 July 2000

Pages:2662 - 2665 vol.4

[Abstract]   [PDF Full-Text (260 KB)]   IEEE CNF

11 **Change detection through subspace projection using independent component analysis to track moving targets in scenery**

Noe, B.J.; Ham, F.M.;

Neural Networks, 2001. Proceedings. IJCNN '01. International Joint Conference on , Volume: 1 , 15-19 July 2001

Pages:703 - 708 vol.1

[Abstract]   [PDF Full-Text (632 KB)]   IEEE CNF

12 **Novel dark-field patterned inspection system for 0.15-μm CMP processes**

Saiki, K.; Noguchi, M.; Kondo, Y.; Watanabe, K.; Nishiyama, H.; Hamamatsu, A.;

Oshima, Y.;
Semiconductor Manufacturing Conference Proceedings, 1999 IEEE International
Symposium on , 11-13 Oct. 1999
Pages:191 - 194

[Abstract]   [PDF Full-Text (280 KB)]   **IEEE CNF**

13 **Recent technology for particle detection on patterned wafers**
Nozoe, M.; Ikota, M.; Motomura, N.;
Reliability Physics Symposium, 1995. 33rd Annual Proceedings., IEEE
International , 4-6 April 1995
Pages:223 - 227

[Abstract]   [PDF Full-Text (648 KB)]   **IEEE CNF**

14 **Generation of high power gain-switched pulses from a two-section
ridge-waveguide laser diode with a laterally tapered energy-storage
section**
Sheng-Hui Yang; Smith, S.; Fitz, J.; Lee, C.F.;
Lasers and Electro-Optics Society Annual Meeting, 1995. 8th Annual Meeting
Conference Proceedings, Volume 1., IEEE , Volume: 2 , 30-31 Oct. 1995
Pages:137 - 138 vol.2

[Abstract]   [PDF Full-Text (152 KB)]   **IEEE CNF**

15 **Modeling of 2D PET noise autocovariance function applied to individual
activation studies**
Antoine, M.-J.; Travere, J.-M.; Bloyet, D.;
Nuclear Science Symposium and Medical Imaging Conference, 1994., 1994 IEEE
Conference Record , Volume: 4 , 30 Oct.-5 Nov. 1994
Pages:1628 - 1632 vol.4

[Abstract]   [PDF Full-Text (288 KB)]   **IEEE CNF**

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1 **Two methods for display of high contrast images**
Jack Tumblin, Jessica K. Hodgins, Brian K. Guenter
January 1999 **ACM Transactions on Graphics (TOG)**, Volume 18 Issue 1

Full text available: 📄 pdf(10.28 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

High contrast images are common in night scenes and other scenes that include dark shadows and bright
light sources. These scenes are difficult to display because their contrasts greatly exceed the range of most
display devices for images. As a result, the image contrasts are compressed or truncated, obscuring subtle
textures and details. Humans view and understand high contrast scenes easily, "adapting" their visual
response to avoid compression or truncation with no apparent ...

Keywords: adaptation, tone reproduction, visual appearance

2 **Multidimensional access methods**
Volker Gaede, Oliver Günther
June 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 2

Full text available: 📄 pdf(1.05 MB)   Additional Information: full citation, abstract, references, citings, index terms

Search operations in databases require special support at the physical level. This is true for conventional
databases as well as spatial databases, where typical search operations include the point query (find all
objects that contain a given search point) and the region query (find all objects that overlap a given search
region). More than ten years of spatial database research have resulted in a great variety of
multidimensional access methods to support ...

Keywords: data structures, multidimensional access methods

3 Progress in Picture Processing: 1969--71

Azriel Rosenfeld

June 1973 **ACM Computing Surveys (CSUR)**, Volume 5 Issue 2

Full text available: 📄 pdf(2.34 MB)   Additional Information: full citation, references, citings, index terms

4 Picture Processing by Computer

Azriel Rosenfeld

September 1969 **ACM Computing Surveys (CSUR)**, Volume 1 Issue 3

Full text available: 📄 pdf(2.69 MB)   Additional Information: full citation, references, citings, index terms

5 Distributed, Web-based GIS: Efficiently querying moving objects with pre-defined paths in a distributed environment

Cyrus Shahabi, Mohammad R. Kolahdouzan, Snehal Thakkar, Jose Luis Ambite, Graig A. Knoblock

November 2001 **Proceedings of the 9th ACM international symposium on Advances in geographic information systems**

Full text available: 📄 pdf(1.28 MB)   Additional Information: full citation, abstract, citings, index terms

Due to the recent growth of the World Wide Web, numerous spatio-temporal applications can obtain their required information from publicly available web sources. We consider those sources maintaining moving objects with predefined paths and schedules, and investigate different plans to perform queries on the integration of these data sources efficiently. Examples of such data sources are networks of railroad paths and schedules for trains running between cities connected through these networks. A ...

6 Three-dimensional object recognition

Paul J. Besl, Ramesh C. Jain

March 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 1

Full text available: 📄 pdf(7.76 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

A general-purpose computer vision system must be capable of recognizing three-dimensional (3-D) objects. This paper proposes a precise definition of the 3-D object recognition problem, discusses basic concepts associated with this problem, and reviews the relevant literature. Because range images (or depth maps) are often used as sensor input instead of intensity images, techniques for obtaining, processing, and characterizing range data are also surveyed.

7 Perception-guided global illumination solution for animation rendering
Karol Myszkowski, Takehiro Tawara, Hiroyuki Akamine, Hans-Peter Seidel
August 2001 **Proceedings of the 28th annual conference on Computer graphics and interactive techniques**

Full text available: 🅰 pdf(493.13 KB)   Additional Information: full citation, abstract, references, citings, index terms

We present a method for efficient global illumination computation in dynamic environments by taking advantage of temporal coherence of lighting distribution. The method is embedded in the framework of stochastic photon tracing and density estimation techniques. A locally operating energy-based error metric is used to prevent photon processing in the temporal domain for the scene regions in which lighting distribution changes rapidly. A perception-based error metric suitable for animation is u ...

Keywords: Monte Carlo techniques, animation, human factors, illumination, temporal aliasing

8 TPphotoSuite: a windows based digital image processing program
Tauhida Parveen
January 2004 **Journal of Computing Sciences in Colleges,** Volume 19 Issue 3

Full text available: 🅰 pdf(184.78 KB)   Additional Information: full citation, abstract, references, index terms

The purpose of this paper is to present a Windows based software tool named *TPphotoSuite* that is capable of performing image-processing operations. *TPphotoSuite* is free, can be used on any PC compatible platform, the existing image processing operations can be modified and more operations can be added to it. *TPphotoSuite* provides a user-friendly GUI and requires minimal computer literacy for it to use. It contains many features that are used in image processing such as, colo ...

9 Performance and reliability analysis of relevance filtering for scalable distributed interactive simulation
Mostafa A. Bassiouni, Ming-Hsing Chiu, Margaret Loper, Michael Garnsey, Jim Williams
July 1997 **ACM Transactions on Modeling and Computer Simulation (TOMACS),** Volume 7 Issue 3

Full text available: 🅰 pdf(499.11 KB)   Additional Information: full citation, abstract, references, citings, index terms

Achieving the real-time linkage among multiple, geographically-distant, local area networks that support distributed interactive simulation (DIS) requires tremendous bandwidth and communication resources. Today, meeting the bandwidth and communication requirements of DIS is one of the major challenges facing the design and implementation of large scale DIS training exercises. In this article, we discuss the DIS scalability problem, briefly overview the major bandwidth reduction techniques c ...

Keywords: bandwidth reduction, distributed interactive simulation, real-time protocols, scalable algorithms